



Colorado's New Energy Technologies
State Capitol Building
October 19, 2005



General Overview

Biodiesel is a cleaner-burning, renewable, and domestically produced diesel fuel

- **Biodiesel is primarily sold as a 20% blend with 80% regular #2 diesel (B20)**
- **U.S. Congress designated B20 as an approved alternative fuel in 1998**
- **Biodiesel can be made from various oils, including canola, mustard, soybean, corn, and even waste grease.**

KNOW YOUR SOURCE!





Blue Sun Mission

- Highest Performance Fuel
- Rural Economic Development
- Energy Independence
- Cleaner & Healthier Air





Vertically Integrated Business



Feedstock

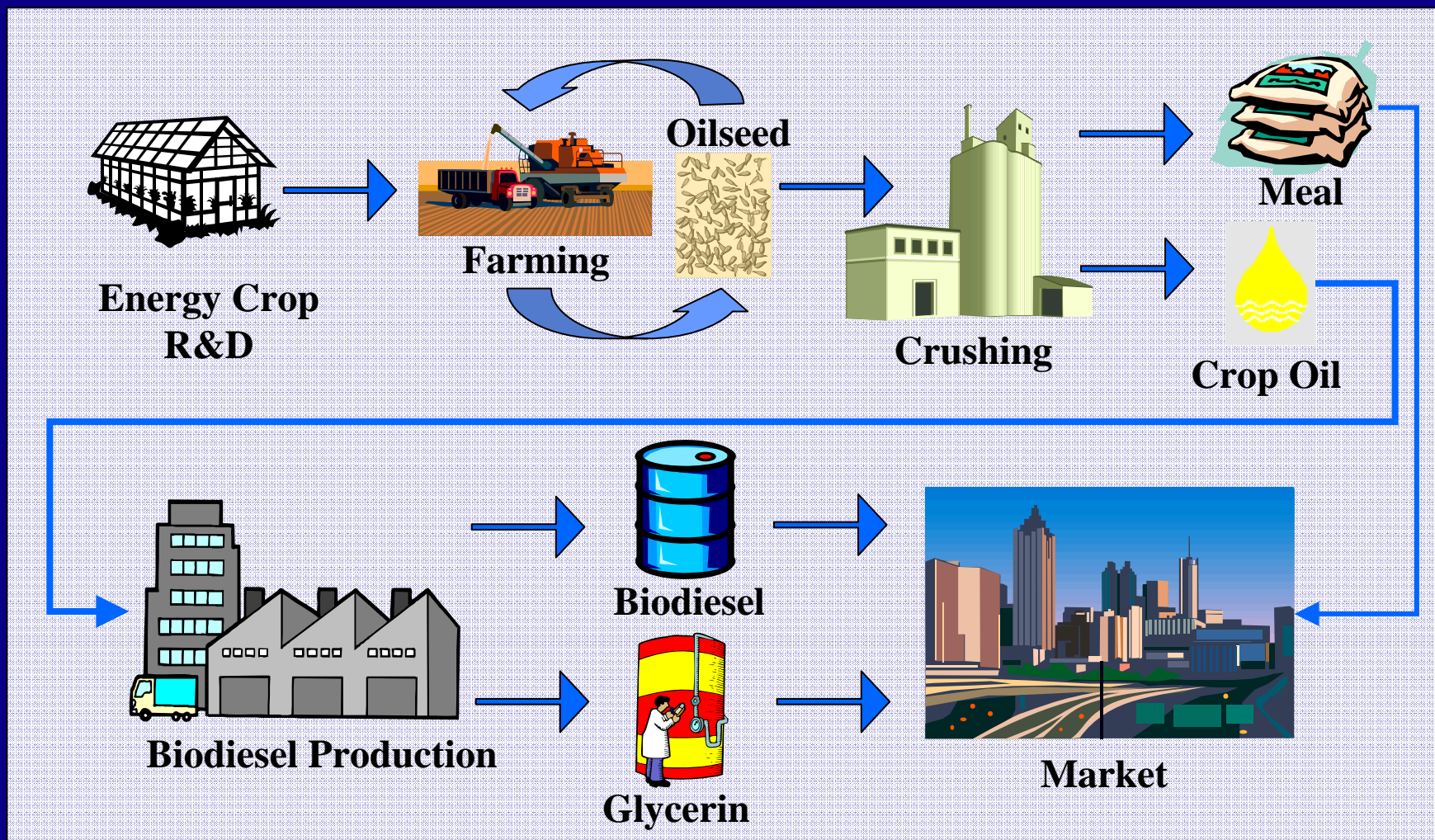


Processing



Marketing

Farmer to Fuel Tank

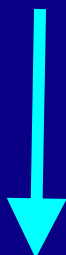


Blue Sun Crop R&D

The development of a lower cost, higher yielding oilseed feedstock is a prime strategic objective

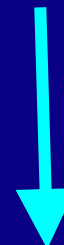
Lower cost

- Lower input costs
- Require much less water
- Lower land costs
- Higher oil content



Higher quality


- Higher lubricity
- Higher cetane
- Better cold flow properties
- Better oxidative stability



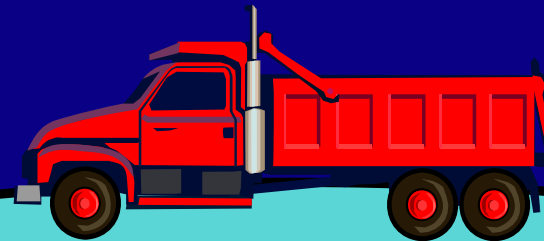
Develop a sustainable competitive advantage vs. soybeans

Blue Sun B20: A Better Fuel vs. Diesel

Features

- 
- Higher cetane
 - Greater lubricity
 - Superior detergency
 - Higher flash point

Benefits



- More mileage
- Greater horsepower
- Less smoke
- Smoother running engines
- Quicker starts
- Longer engine life
- Reduced maintenance



Blue Sun B20 Advantages – Continued –

- Renewable fuel source
- Best energy balance of any fuel
- No engine modifications AT ALL!
- Keeps fuel dollars with farmers
- Marketing and PR support



Denver Mayor John Hickenlooper



Blue Sun Advantages

Cleaner Emissions vs. Diesel

<u>Emission Type</u>	<u>B 100</u>	<u>Blue Sun 20</u>
Carbon Monoxide	- 43.2%	- 32%
Hydrocarbons	- 56.3%	- 40%
Particulates	- 55.4%	- 24%
Nitrogen Oxides *	+ 5.8%	- 4%
Carcinogens	- 60% - 90%	- 12% - 20%
Mutagens	- 80% - 90%	- 20%
Carbon Dioxide **	- 78.3%	- 15.7%



* Blue Sun B20 will reduce Nitrogen Oxides by 9% or greater

** Life Cycle emissions of CO2

Source: National Renewable Energy Laboratory, Golden, Colorado (NREL),
a national research laboratory funded by the Department of Energy



Blue Sun Biodiesel

The Official Fuel of Cummings Racing



